

Building Efficiency:

Commercial Lighting Retrofit

CASE STUDY

Rainier School District Lighting Improvements

If you use metal halide lights in warehouses, shops or manufacturing facilities, you should take a cue from Rainier School District and consider replacing them with T5HO (high output) or T8 fluorescent fixtures.

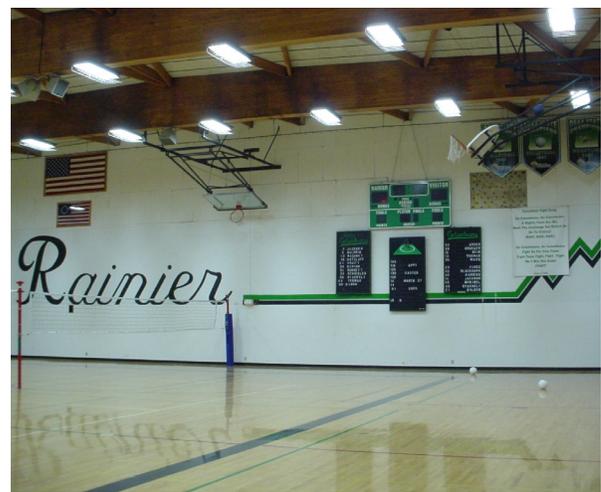
The school district replaced metal halide fixtures with T5HO fluorescent fixtures at the Hudson Park Elementary Gym, Rainier High School Gym and Briarcliff Pool. The upgrade increased lighting levels, improved the quality of light, deferred maintenance costs, and reduced annual energy costs by \$2,238.

PUD Commercial Services Advisor Tim Lammers suggested the change to the district. Tim conducted a free lighting evaluation that included an inventory of existing lighting and an explanation of different lighting alternatives and their financial benefits.

“Tim helped us understand our opportunity to improve our lighting and save money at the same time,” said Michael Carter, Rainier District Superintendent.

The district earned rebates for improved energy efficiency from the PUD and qualified for a Business Energy Tax Credit pass-through from the state of Oregon. These incentives covered nearly 90% of the project cost.

For a free energy evaluation at your facility, contact Commercial Services Advisor Tim Lammers at (503) 397-8155 or tlammers@crpud.org.



The new fixtures use less energy and provide a much higher quality of light.

Project Summary

Measure Cost	\$24,160
PUD Rebate	\$(14,867)
Oregon Tax Credit	<u>\$ (7,369)</u>
Net Cost	\$ 1,924
Annual Energy Cost Savings	\$ 2,238
Simple Payback	< 1 year

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